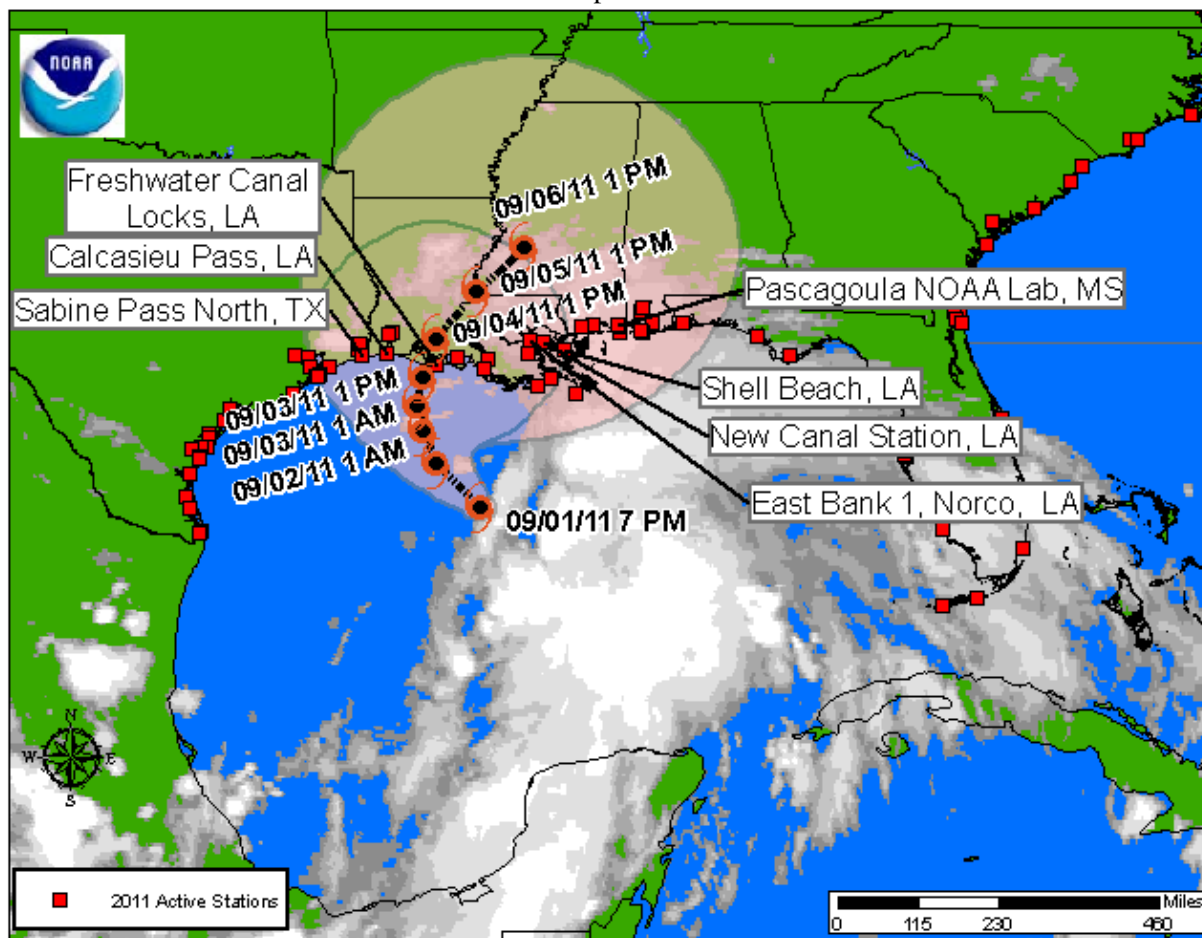




Tropical Depression THIRTEEN QuickLook  
Posted: 21:00 CDT 09/01/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/01/2011 21:00 CDT, water levels along the U.S. coast of Gulf of Mexico from Mississippi to eastern Texas are rising and range from 0.3 to 1.7 feet above predicted. Winds are increasing. Wind gusts up to 25 knots have been observed at Shell beach, LA, Calcasieu Pass, LA, Sabine Pass, TX during the last three hours. Barometric pressure starts to gradually fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.4 ft (0.42 m) at 09/02/2011 00:12 CDT and 1.5 ft (0.47 m) at 09/03/2011 01:18 CDT.

Shell Beach, LA: Next predicted high tides are 1.4 ft (0.41 m) at 09/02/2011 05:36 CDT and 1.5 ft (0.46 m) at 09/03/2011 06:12 CDT.

Tropical Depression THIRTEEN QuickLook, POSTED 21:00 CDT 09/01/2011

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.13 m) at 09/02/2011 10:32 CDT and 0.5 ft (0.14 m) at 09/03/2011 11:04 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.12 m) at 09/02/2011 11:37 CDT and 0.4 ft (0.13 m) at 09/03/2011 12:47 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.8 ft (0.54 m) at 09/02/2011 04:51 CDT and 2.0 ft (0.61 m) at 09/02/2011 20:46 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.0 ft (0.61 m) at 09/02/2011 05:09 CDT and 2.0 ft (0.63 m) at 09/02/2011 20:53 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.7 ft (0.52 m) at 09/02/2011 06:11 CDT and 1.8 ft (0.55 m) at 09/02/2011 21:21 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: KG

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION THIRTEEN SPECIAL ADVISORY NUMBER 1  
700 PM CDT THU SEP 01 2011

...TROPICAL DEPRESSION FORMS OVER THE CENTRAL GULF OF MEXICO...  
...TROPICAL STORM WARNINGS ISSUED FOR PORTIONS OF THE NORTHERN GULF COAST...

SUMMARY OF 700 PM CDT INFORMATION

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LOCATION...  
ABOUT 225 MI...360 KM SW OF THE MOUTH OF THE MISSISSIPPI RIVER  
MAXIMUM SUSTAINED WINDS...35 MPH  
PRESENT MOVEMENT...NW OR 315 DEGREES AT 6 MPH  
MINIMUM CENTRAL PRESSURE...1007 MB

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR THE COAST OF THE NORTHERN GULF OF MEXICO FROM PASCAGOULA MISSISSIPPI WESTWARD TO SABINE PASS TEXAS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* PASCAGOULA MISSISSIPPI WESTWARD TO SABINE PASS TEXAS

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN 24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 700 PM CDT THE CENTER OF TROPICAL DEPRESSION THIRTEEN WAS LOCATED NEAR LATITUDE 26.6 NORTH...LONGITUDE 91.4 WEST.

THE DEPRESSION IS MOVING TOWARD THE NORTHWEST NEAR 6 MPH.

A SLOW NORTHWESTWARD MOTION IS FORECAST THROUGH FRIDAY...FOLLOWED BY A TURN TOWARD THE NORTH FRIDAY NIGHT OR SATURDAY. ON THIS TRACK...THE CENTER OF THE CYCLONE IS EXPECTED TO APPROACH THE COAST OF SOUTHERN LOUISIANA ON SATURDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH...WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS AND THE DEPRESSION COULD BECOME A TROPICAL STORM ON FRIDAY.

THE ESTIMATED MINIMUM CENTRAL PRESSURE FROM A NOAA RECONNAISSANCE AIRCRAFT WAS 1007 MB.

HAZARDS AFFECTING LAND

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RAINFALL...THE DEPRESSION IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES OVER SOUTHERN LOUISIANA... SOUTHERN MISSISSIPPI...AND SOUTHERN ALABAMA THROUGH SUNDAY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL ALONG THE NORTHERN GULF COAST IN AREAS OF ONSHORE FLOW.

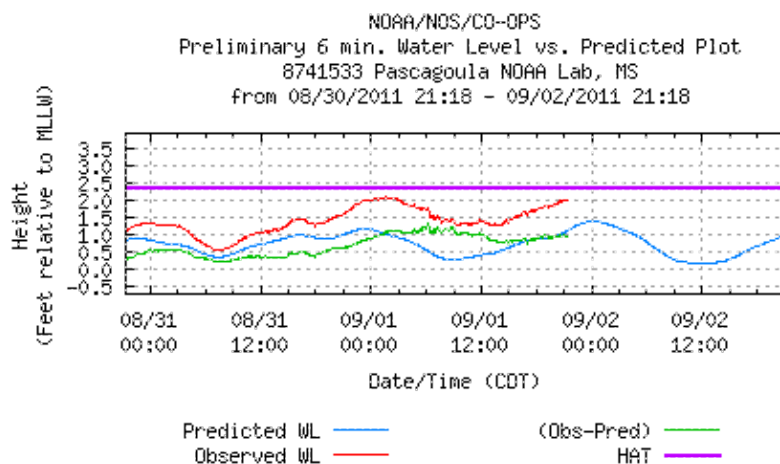
FORECASTER BROWN/AVILA

Tropical Depression THIRTEEN QuickLook, POSTED 21:00 CDT 09/01/2011

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pascagoula NOAA Lab - Water Level](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Air/Water Temp](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [New Canal Station - Air/Water Temp](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [East Bank 1, Norco, B. LaBranche - Air/Water Temp](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Freshwater Canal Locks - Air/Water Temp](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Calcasieu Pass - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#),

Pascagoula NOAA Lab, MS - Return to List

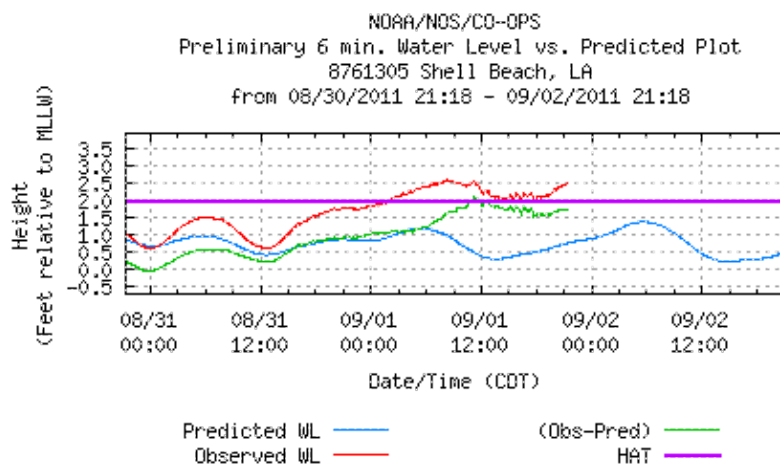


Last Observed Sample: 09/01/2011 21:18 (CDT)

Relative to MLLW: **Observed: 1.99 ft.** **Predicted: 1.09 ft.** **Residual: 0.90 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Shell Beach, LA - Return to List

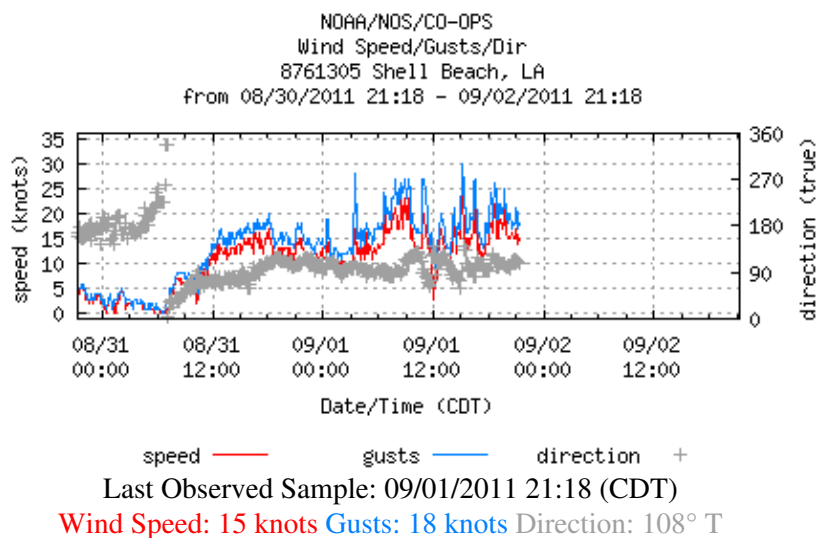


Last Observed Sample: 09/01/2011 21:18 (CDT)

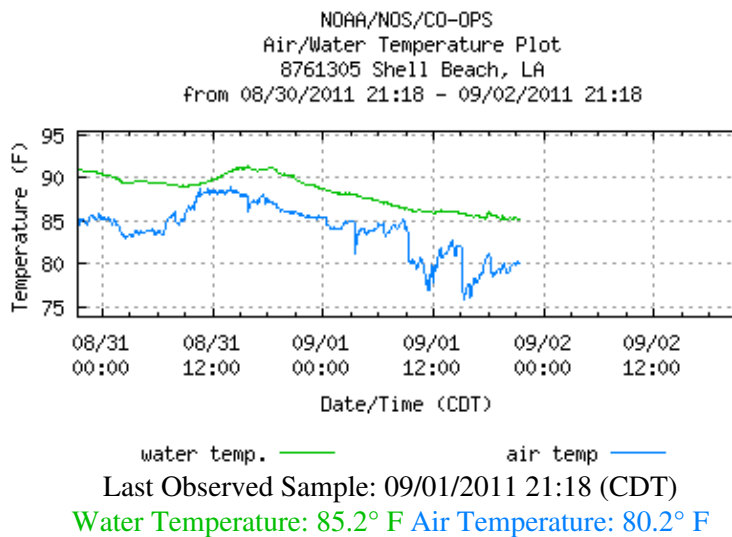
Relative to MLLW: **Observed: 2.45 ft.** **Predicted: 0.73 ft.** **Residual: 1.72 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

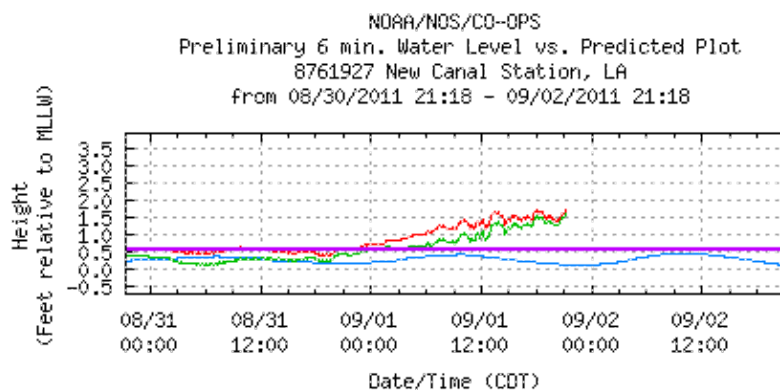
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



New Canal Station, LA - Return to List



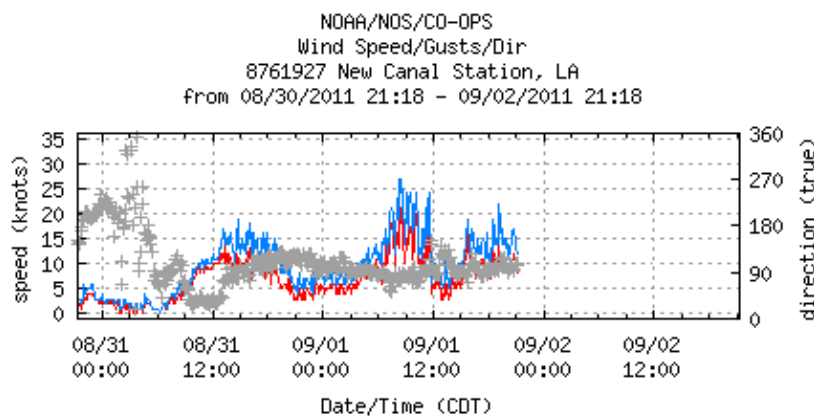
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/01/2011 21:12 (CDT)

Relative to MLLW: **Observed: 1.68 ft.** **Predicted: 0.10 ft.** **Residual: 1.58 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

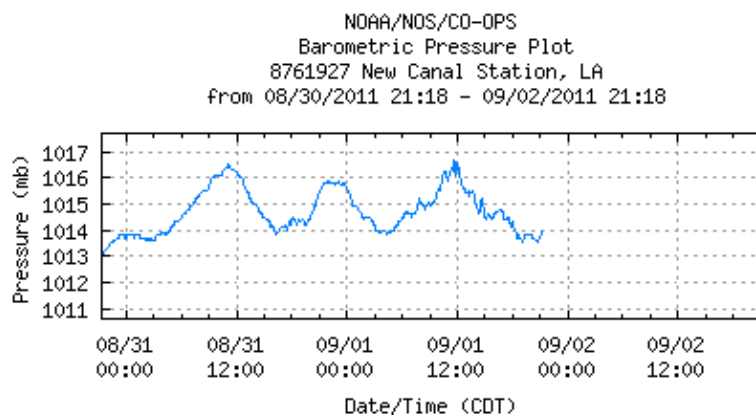


speed — gusts — direction +

Last Observed Sample: 09/01/2011 21:12 (CDT)

**Wind Speed: 8 knots** **Gusts: 12 knots** Direction: 109° T

[New Canal Station, LA](#) - [Return to List](#)

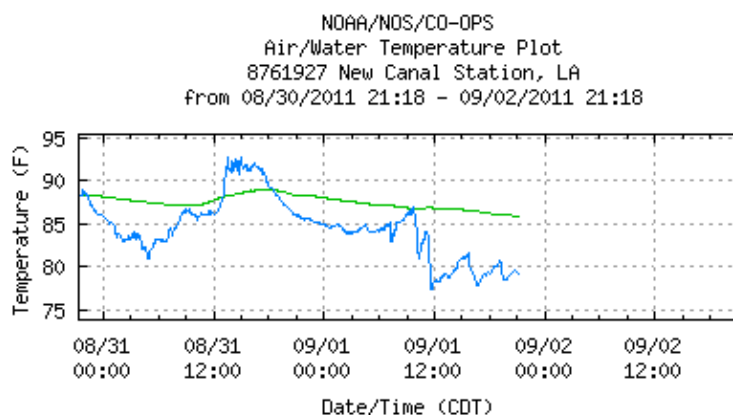


barometric pressure —

Last Observed Sample: 09/01/2011 21:12 (CDT)

Barometric Pressure: 1014.0 mb

[New Canal Station, LA](#) - [Return to List](#)



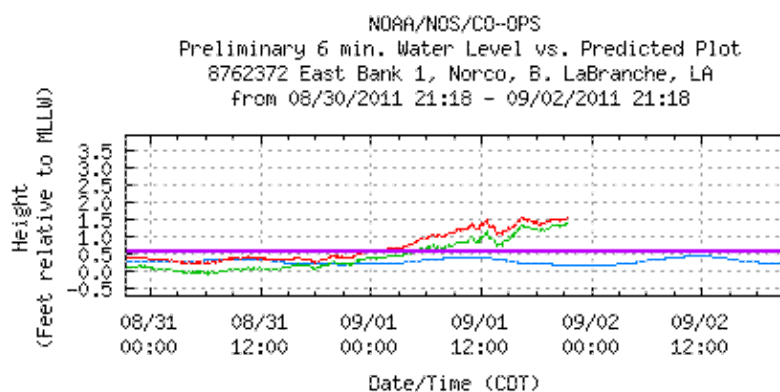
water temp. — air temp —

Last Observed Sample: 09/01/2011 21:12 (CDT)

Water Temperature: 85.8° F Air Temperature: 79.2° F



East Bank 1, Norco, B. LaBranche, LA - Return to List



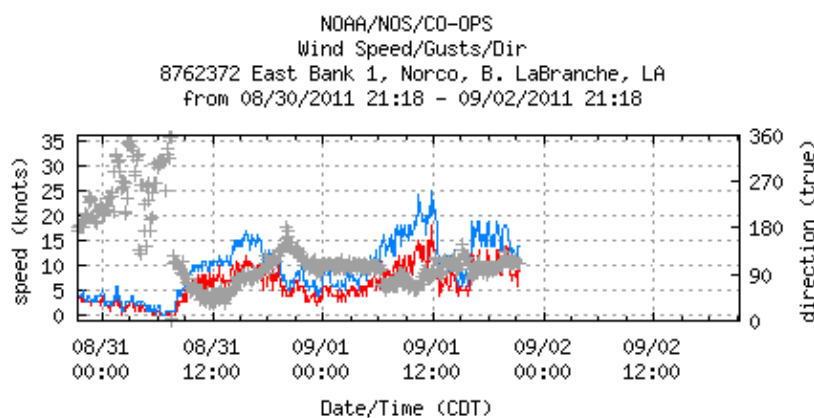
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/01/2011 21:18 (CDT)

Relative to MLLW: **Observed: 1.51 ft.** **Predicted: 0.14 ft.** **Residual: 1.37 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List

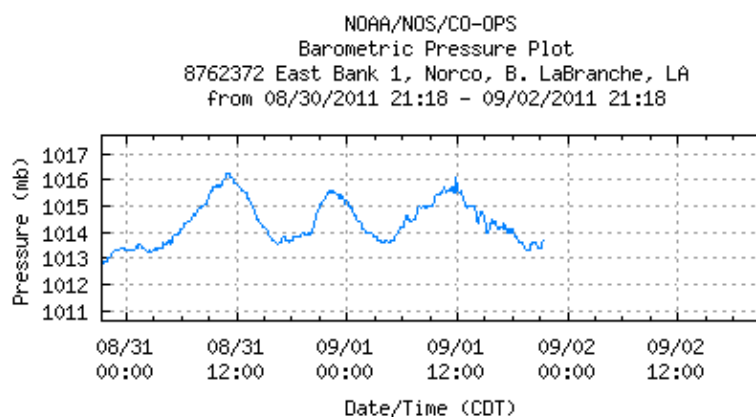


speed — gusts — direction +

Last Observed Sample: 09/01/2011 21:18 (CDT)

**Wind Speed: 9 knots** **Gusts: 14 knots** **Direction: 110° T**

[East Bank 1, Norco, B. LaBranche, LA](#) - [Return to List](#)

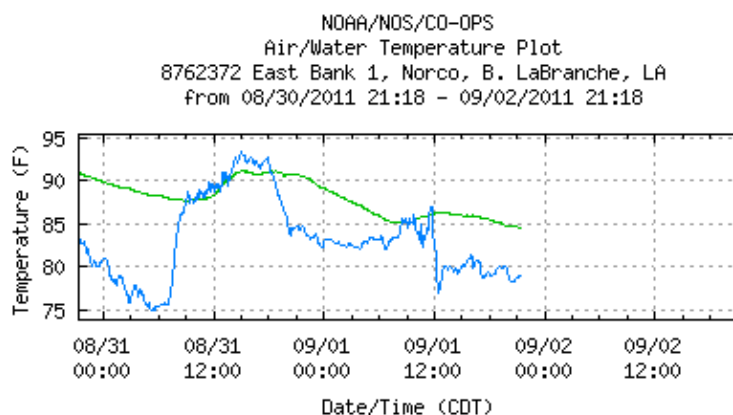


barometric pressure —

Last Observed Sample: 09/01/2011 21:18 (CDT)

Barometric Pressure: 1013.7 mb

[East Bank 1, Norco, B. LaBranche, LA](#) - [Return to List](#)

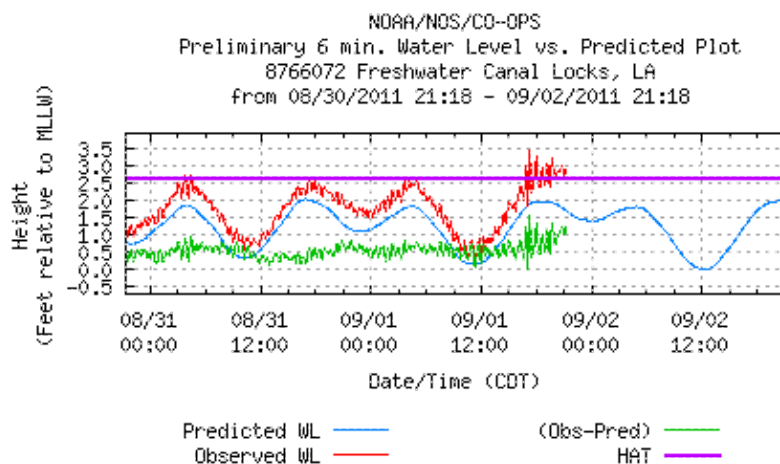


water temp. — air temp —

Last Observed Sample: 09/01/2011 21:18 (CDT)

Water Temperature: 84.6° F Air Temperature: 79.0° F

Freshwater Canal Locks, LA - Return to List

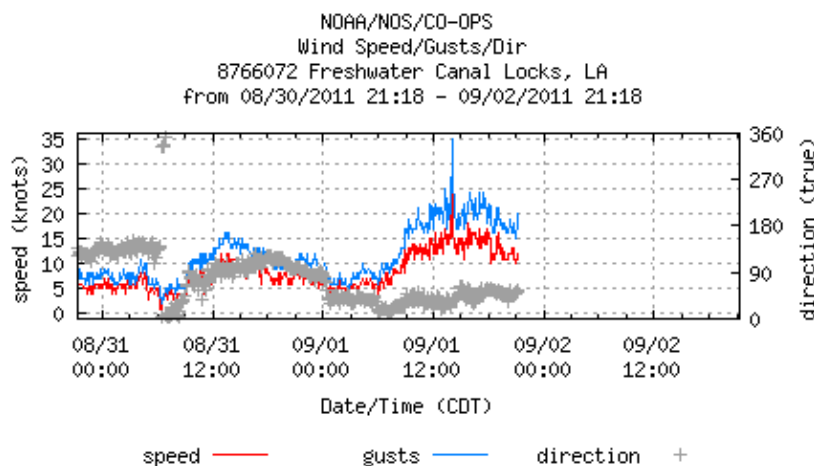


Last Observed Sample: 09/01/2011 21:12 (CDT)

Relative to MLLW: **Observed: 2.87 ft.** **Predicted: 1.68 ft.** **Residual: 1.19 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

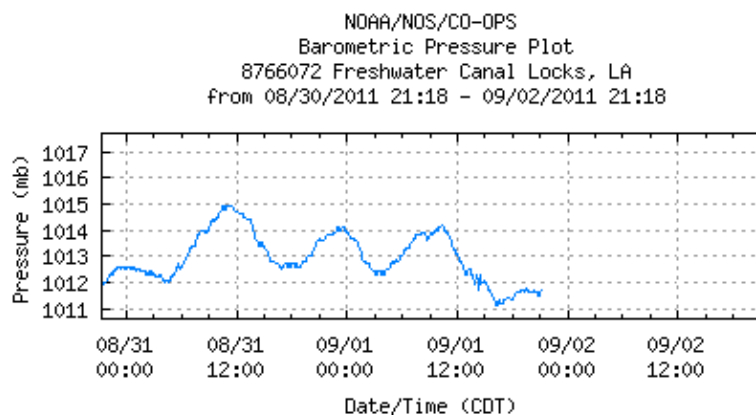
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/01/2011 21:12 (CDT)

**Wind Speed: 11 knots** **Gusts: 20 knots** **Direction: 54° T**

Freshwater Canal Locks, LA - Return to List

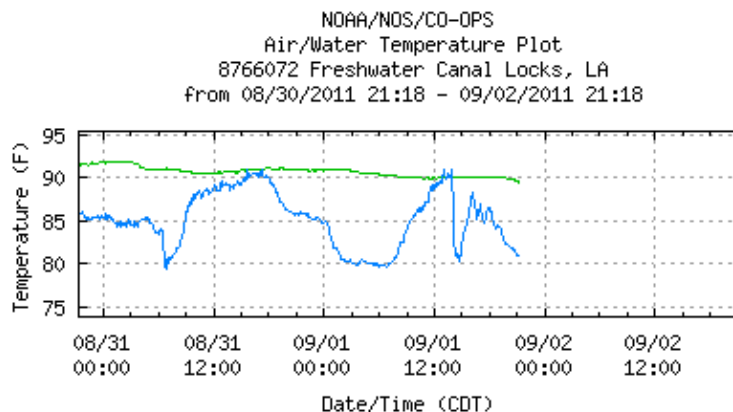


barometric pressure —

Last Observed Sample: 09/01/2011 21:12 (CDT)

Barometric Pressure: 1011.7 mb

Freshwater Canal Locks, LA - Return to List

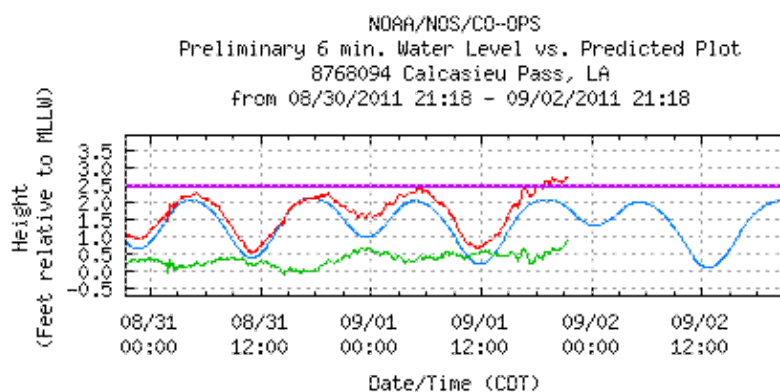


water temp. — air temp —

Last Observed Sample: 09/01/2011 21:12 (CDT)

Water Temperature: 89.4° F Air Temperature: 81.0° F

Calcasieu Pass, LA - Return to List



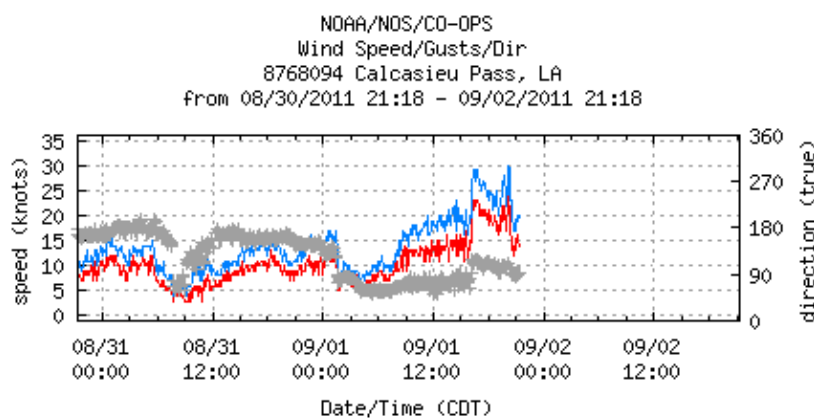
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/01/2011 21:18 (CDT)

Relative to MLLW: **Observed: 2.72 ft.** **Predicted: 1.83 ft.** **Residual: 0.89 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

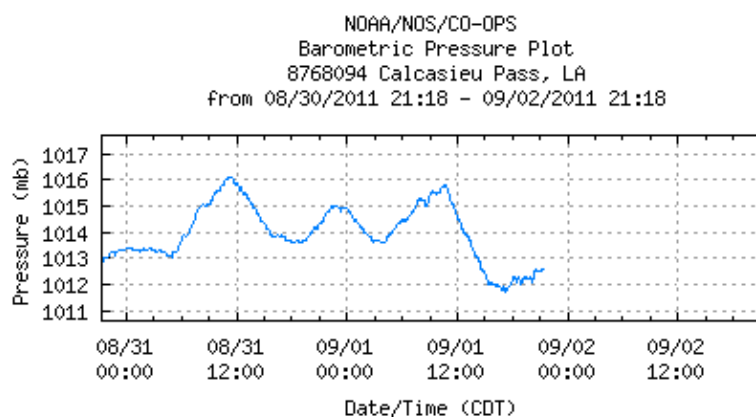


speed — gusts — direction +

Last Observed Sample: 09/01/2011 21:18 (CDT)

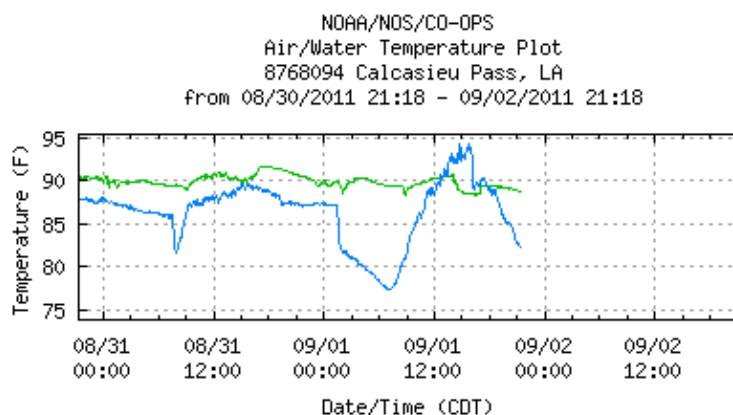
**Wind Speed: 14 knots** **Gusts: 20 knots** **Direction: 93° T**

[Calcasieu Pass, LA - Return to List](#)



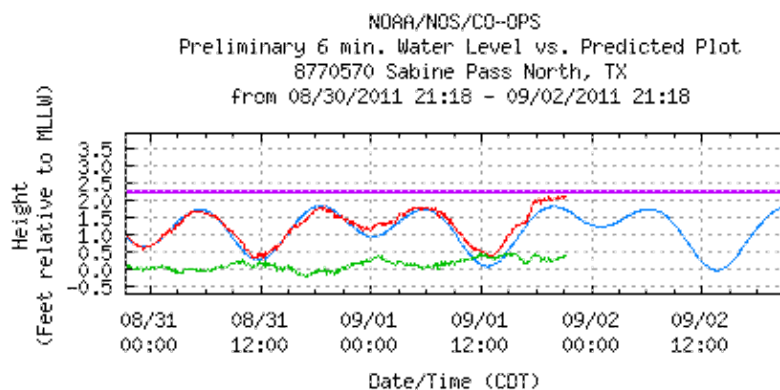
Last Observed Sample: 09/01/2011 21:18 (CDT)  
Barometric Pressure: 1012.6 mb

[Calcasieu Pass, LA - Return to List](#)



Last Observed Sample: 09/01/2011 21:18 (CDT)  
Water Temperature: 88.8° F Air Temperature: 82.4° F

Sabine Pass North, TX - Return to List



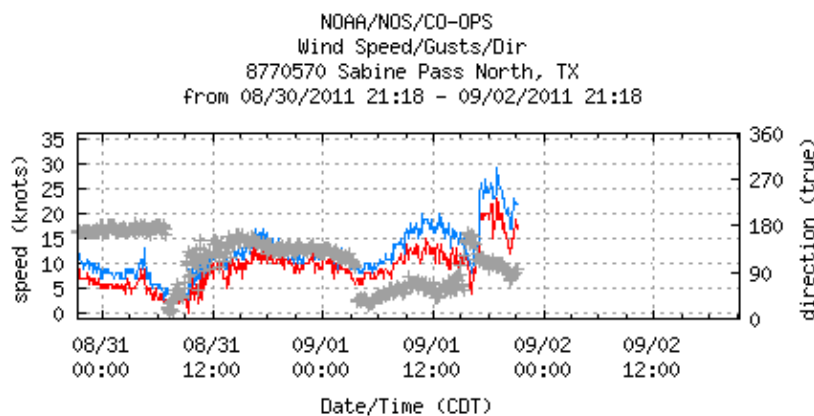
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/01/2011 21:06 (CDT)

Relative to MLLW: **Observed: 2.07 ft.** **Predicted: 1.71 ft.** **Residual: 0.36 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Return to List

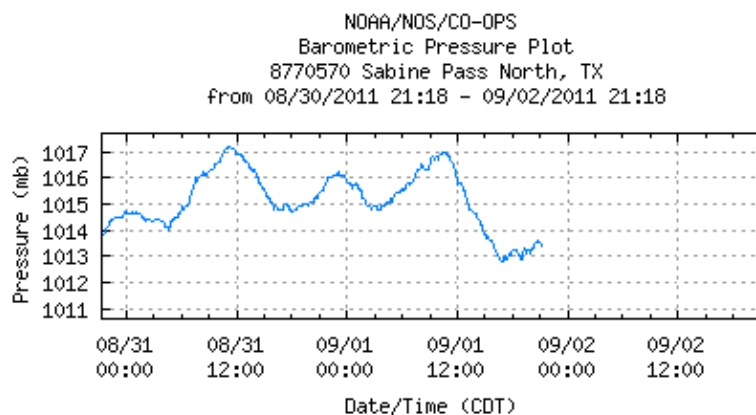


speed — gusts — direction +

Last Observed Sample: 09/01/2011 21:06 (CDT)

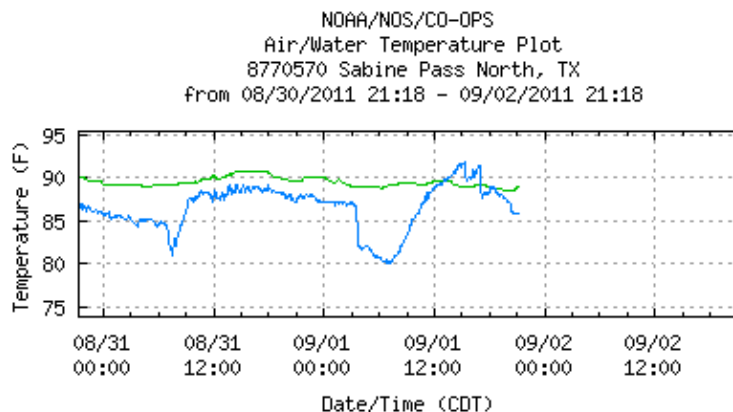
**Wind Speed: 17 knots** **Gusts: 22 knots** **Direction: 96° T**

Sabine Pass North, TX - Return to List



Last Observed Sample: 09/01/2011 21:06 (CDT)  
Barometric Pressure: 1013.4 mb

Sabine Pass North, TX - Return to List



Last Observed Sample: 09/01/2011 21:06 (CDT)  
Water Temperature: 88.9° F Air Temperature: 85.8° F



Tropical Depression THIRTEEN QuickLook, POSTED 21:00 CDT 09/01/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce